

Cell volume-regulated human kinase h-sgk

The present invention relates to the cloning and characterization of a human serine/threonine kinase (h-sgk: serum and glucocorticoid dependent kinase). The invention furthermore relates to reagents for diagnosing conditions associated with a change in cell volume and/or in "macromolecular crowding" in the body, such as, for example, hypernatremia, hyponatremia, diabetes mellitus, renal failure, hypercatabolism, hepatic encephalopathy, inflammation and microbial or viral infections. The present invention additionally relates to pharmaceuticals comprising the h-sgk, nucleic acids which code for the h-sgk, or receptors, in particular antibodies, which specifically bind to the h-sgk.